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Department Of Chemistry, Columbia University, New York, New York 10027 R. Pecora Department Of Ch6mistry,. Stanford University, Stanford, California 94305 ~2586 INTRODUCTION Many Detailed Reviews Of Laser Scattering From Fluids (1-16) Have Appeared Since The Comprehensive Review By Chu (1) In This Series. Among These, We Would Like 4th, 2024

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1. Introduction. In Order To Determine Surface Tension And Viscosity Noninvasively, We Measure The Light Scattered From The Thermocapillary Waves Generated By Thermally Excited Surface Ripplons. This Method Was first In-troduced By Raman Around 1925, And A Brief History Is Given In Langevin's 4th, 2024

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KATZ Et Al.: BACTERIA SIZE DETERMINATION BY ELASTIC LIGHT SCATTERING 279 Almost Entirely Of Ballistic Light. The Optical Density ( )is Then Given By (5) For Highly Scattering Samples, Is Small While Is Large And The Detected Signal Will Consist Of Both Ballistic Light And Light Which Is S 1th, 2024

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Oats, Heat-treated Groats, And Rolled Oats Were Provided By The Quaker Oats Co. Heat-treated Groats Receive A Drying Heat (104-1160C) Prior To Cutting And Flaking, Whereas Rolled Oats Receive Further Moist (steam) Heat Treatment (Deane And Commers 1986). Other Oat Samples Were Obtained Commercially. Pilot-plant 2th, 2024

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